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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/601,262	06/20/2003	Ye Liu	6565-66243	6713
7590 07/17/2006			EXAMINER	
KLARQUIST SPARKMAN, LLP			HAMPTON HIGHTOWE, PATRICIA	
One World Trade Center Suite 1600			ART UNIT	PAPER NUMBER
121 S.W. Salmon Street Portland, OR 97204			1711	·
			DATE MAILED: 07/17/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Applicati n No.	Applicant(s)				
	10/601,262	LIU ET AL.				
Office Action Summary	Examin r	Art Unit				
	Patricia Hightower	1711				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 6(a). In no event, however, may a reply be tim ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEL	l. ely filed the mailing date of this communication. 0 (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 01 Ma	arch 2006.					
•	action is non-final.					
·—	<u>, </u>					
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1-46</u> is/are pending in the application.						
4a) Of the above claim(s) <u>1-13 and 28-46</u> is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9) The specification is objected to by the Examine	·.					
10)⊠ The drawing(s) filed on 20 June 2003 is/are: a)	⊠ accepted or b)□ objected to	by the Examiner.				
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correcti	on is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).				
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	priority under 35 U.S.C. § 119(a)	-(d) or (f).				
1. Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents	2. Certified copies of the priority documents have been received in Application No					
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau	(PCT Rule 17.2(a)).					
* See the attached detailed Office action for a list of	of the certified copies not receive	d.				
•						
Attachment(s)	A) 🗖 Inlandani Comerca	(DTO 412)				
	4) Interview Summary Paper No(s)/Mail Da					
Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	5) Notice of Informal Page 1990. 6) Other:	atent Application (PTO-152)				

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Response to Amendment

Applicant's election of Group II, claims 14-27 in the reply filed on March 01, 2006 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

Thus, claims 1-13 and 28-46 have been withdrawn from consideration as these claims are directed to inventions non-elected by the applicants.

The species election of a DNA molecule as the bioactive agent is acknowledged.

Information Disclosure Statement

The information disclosure statements filed September 24, 2003; December 12, 2003; October 5, 2004 and December 1, 2005 have been considered and made of record.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 27 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 27, the applicants has recited bare numbers to denote the molecular weight and have not defined how the molecular weight was measured.

Clarification is requested.

Claim Rejections - 35 USC § 102

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The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 14-27 are rejected under 35 U.S.C. 102(b) as being anticipated by David M. Lynn et al ((2001) J. American Chemical Society, Vol. 123, pages 8155-8156)

David M. Lynn et al (J. American Chemical Society, vol. 123, pages 8155-8156) discloses polyamino(beta-amino esters) that are hydrolytically degradable, condense plasmide DNA at physiological Ph and are readily synthesized via the conjugate addito or primary or secondary amines to diacrylates (equations 1 and 2) and Fig. 1 that anticipates the claimed polyamino ester compounds. See pages 8155, col. 1, second full paragraph – col. 2, second-4 full paragraphs.

Lynn et al teaches a library of polyamino esters prepared by the synthesis of diacrylates (A-G) and amine (1-20) monomers wherein the reaction was conducted in methylene chloride as the solvent; the GPC indicated the molecular weights of the ranged from 2000 to 50000 (relative to polystyrene standards). See Fig. 1; page 8156.

Prior Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. These references are cited to show the state of the art of polyamino esters and uses thereof; Park'869, Hutter, Kelley, Kabanov and Llenda. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patricia Hightower whose telephone number is (571) 272-1073. The examiner can normally be reached on M-F from 9:30 A.M. - 6:00 P.M.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Seidleck can be reached on (571) 272-1078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-/1000.

Patricia H. Hightower Primary Examiner Art Unit 1711

P. Hightower:ph July 10, 2006